

Patent Claims

1 1. Motor-driven element (1) of a dividing wall with at least one motor-driven closure
2 profile (5) and with a switching apparatus (ES2, ES2, D1, D2) which switches the voltage
3 applied to the element (1) for moving the element (1) in an end position of the element (1) in
4 such a way that the at least one closure profile (5) is moved out after the end position is reached
5 and is moved in before the end position is exited, characterized in that the switching apparatus
6 (ES1, ES2, D1, D2) has a first sensor (ES2) for determining the end position of the element (1)
7 and a second sensor (ES1) for determining an end position of the at least one moved in closure
8 profile (5).

1 2. Element (1) according to claim 1, characterized by a first motor (M1) for driving
2 the element (1) and a second motor (M2) for driving the at least one closure profile (5), wherein
3 the switching apparatus (ES1, ES2, D1, D2) switches the voltage applied to the element (1) for
4 moving the element (1) in the end position of the element (1) between the first motor (M1) and
5 the second motor (M2) in such a way that the second motor (M2) moves the at least one closure
6 profile (5) out after the element (1) reaches its end position and moves it in before the element
7 (1) exits its end position.

1 3. Element (1) according to claim 2, characterized in that the switching apparatus
2 (ES1, ES2, D1, D2) is switched between a first voltage supply connection (6) of the element (1)
3 and a respective first connection of the first motor (M1) and of the second motor (M2), wherein a
4 respective second connection of the first motor (M1) and of the second motor (M2), is connected
5 to a second voltage supply connection (7) of the element (1).

1 4. Element according to claim 3, characterized in that the voltage applied to the
2 element (1) via the first voltage supply connection (6) and the second voltage supply connection
3 (7) has a first polarity direction for moving the element (1) into the end position and a second
4 polarity direction, which is the reverse of the first polarity direction, for moving the element (1)
5 out of the end position.

1 5. Element according to one of claims 3 or 4, characterized in that the first sensor has
2 a switch (ES2) whose switchable connection (8) is connected to the first voltage supply
3 connection (6), whose first fixed connection (9) is connected to the first connection of the first
4 motor (M1), and whose second fixed connection (10) is connected to the first connection of the
5 second motor (M2) by a diode (D1), wherein the switch (ES2) connects the switchable
6 connection (8) to the second fixed connection (10) in the end position and connects it to the first
7 fixed connection (9) in a parked position.

1 6. Element according to claim 5, characterized in that the second sensor has a dual
2 switch (ES1) whose first switching path (11) is connected parallel to the diode (D1) and
3 bypasses the diode (D1) when the closure profile (5) is in a moved in end position, and whose
4 second switching path (12) is connected in series with a diode (D2) parallel to the switchable
5 connection (8) and bypasses the switch (ES2) when the closure profile (5) is not in a moved in
6 end position.